

## M 4.4, 2km SE of Berkeley, CA

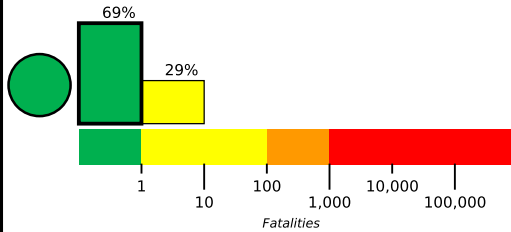
Origin Time: 2018-01-04 10:39:37 UTC (Thu 02:39:37 local)

Location: 37.8552° N 122.2568° W Depth: 12.3 km

FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](http://tsunami.gov)

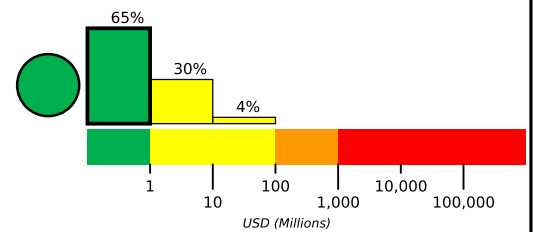
Created: 9 hours, 26 minutes after earthquake

### Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

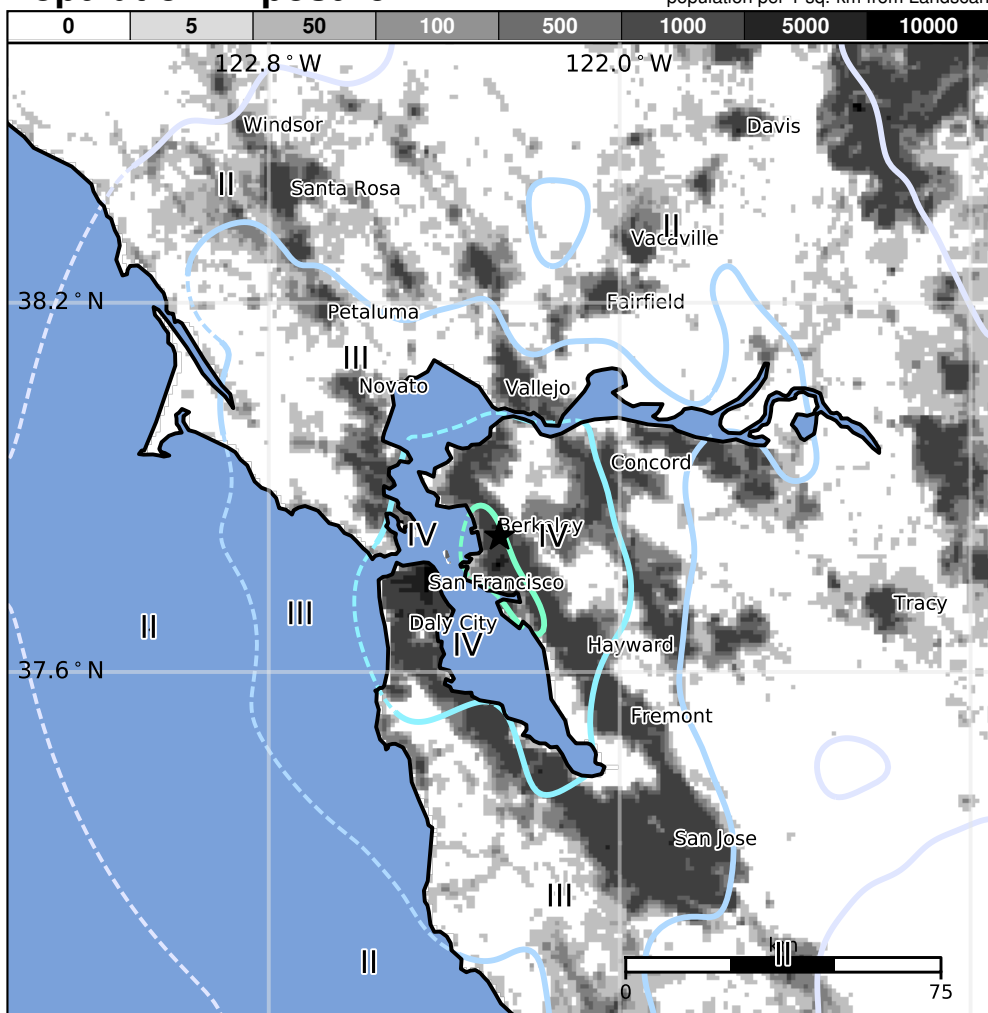


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		430k*	6,240k	2,694k	837k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are highly resistant to earthquake shaking, though some vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-12-22	270	6.6	VI(8k)	2
1980-01-24	49	5.8	VII(35k)	1
1989-10-18	93	6.9	VIII(109k)	62

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Albany	19k
V	Emeryville	10k
V	San Lorenzo	23k
V	San Leandro	87k
V	Oakland	391k
V	Berkeley	113k
IV	San Francisco	805k
III	Fremont	214k
III	San Jose	946k
II	Stockton	292k
II	Sacramento	466k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/nc72948801#pager>

bold cities appear on map.

(k = x1000)

Event ID: nc72948801